

Packaging is everything!



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MISSION

Packaging technologies are under active development.

New packaging solutions catering to the demands to packing materials from various branches of industry can be created only by combining the knowledge and achievements of many fields of science and technology in the development and production process. The ambition of our country to create high-tech science-intensive industries based on the latest knowledge and demand trends totally matches the possibilities of developing a competitive domestic subindustry of flexible packing production.

Creative combination of domestic technology with the achievements of engineering industries of Germany, Italy, Japan, Spain and the Czech Republic allow SLAVA SPA successfully accomplishing its mission:

Creating of a highly competitive subindustry of flexible packing manufacturing. This industry is aimed not only at preserving the properties of the products, but also at broad diversification and improvement of the consumer characteristics of goods.



QUALITY POLICY OF SLAVA SPA

Goals

- Achieving high products quality;
- Support of high reputation profile of the Association nationwide and abroad;
- Ensuring financial stability of the Association and the relevant moral and material well-being of the employees.

In accordance with these goals, the Association at large and each of its employees are focused on:

- Guaranteed full performance of the concluded contracts and assumed obligations;
- Unconditional implementation of requirements, rules and regulations prescribed by the law and regulatory documentation during the products manufacture;
- Continuous improvement of working methods, raising qualification and professionalism of employees, explanation of quality objectives to the employees;
- Production of high-quality products;
- Delivery of quality products within the set time limit;
- Identification and implementation of current and future demands of our customers;
- Maintaining mutually beneficial long-term relationship with suppliers;
- Study and use of the best practices in the field of polymer packing;
- Maintaining transparency in relations with the customers, development of mutually beneficial relationship with suppliers and partners on the principles of honesty and mutually beneficial trust.

Principles

- Consumer is the most important aspect within our business;
 - The interest and participation of every employee and the key role of leadership in quality management;
 - Clear organization of work via rational distribution of functions and responsibilities;
 - Competence and professionalism at every workplace;
 - systematic approach to solving any problems and issues;
 - Continuous business improvement as a factor of achieving the Association stability.
- The implementation of this policy envisages understanding of consumer demands by all employees of the Association and provision of products totally corresponding to its expectations, as well as assuming personal responsibility for the results of one's activity and one's role in implementation of this policy. The leadership of the Association commits itself to implementation of the quality policy and its assessment and updating in line with changing requirements and expectations of the consumer as well as to ensuring compliance of QMs with the requirements of GOST R ISO 9001-2011 and continuous improvement of its efficiency.



RESEARCH LABORATORY

In order to secure leadership and competitiveness the research and development laboratory of SLAVA SPA performs extensive research work on the development of new types of polyamide casings, bags and other new types of packaging materials. Cooperation with experts of research institutes allowed us creating packaging materials with unique barrier or prescribed permeability properties.

One of the main tasks of the laboratory is systematic quality control over initial raw, finished products and stability of their properties. To this end, the company is equipped with a modern analytical laboratory, physical and mechanical devices. The main controllable raw parameters include the following features: polymer melt flow index and humidity. In order to determine the consumer properties of the casing, its strength properties as well as steam and oxygen permeability are measured. In particular, the test-bench simulates the conditions of sausages molding and measures the burst pressure and casing caliber. The data of physical-mechanical analysis allow accurately predicting how the polyamide casings are going to work, when used by consumers, and performing statistical quality control. This is especially important in the development of new polyamide casings and trying out technological modes.

New optical methods for rapid structural analysis of polymer films allow looking into the internal structure of multilayer film. Modern microtome allows obtaining specimens of microscopic analysis of multilayer films (slices of 10-300 microns wide). The use of optical microscopy provides for preview of multilayer material structure on a monitor screen with a magnification of up to 1000 times and its digital photography.

A particular attention is paid to the requirements of hygienic safety of manufactured products. To this end, there is a regular monitoring of the content of toxic elements for each type of packing products and their compliance with hygienic standards under conditions simulating the packed food manufacturing technology, in accordance with their specifications.



PRODUCTION

The production workshops of the company have the most advanced equipment made in Germany, the Czech Republic, Italy, Spain and Japan. It allows producing a wide range of packaging materials from sausage casings to high-barrier films and bags. Today the assortment of SLAVA SPA includes more than 60 types of packaging products, which, depending on purpose, are used in virtually all sectors of food industry, as well in a number of industries not related to food production. special equipment is used for each type of products.

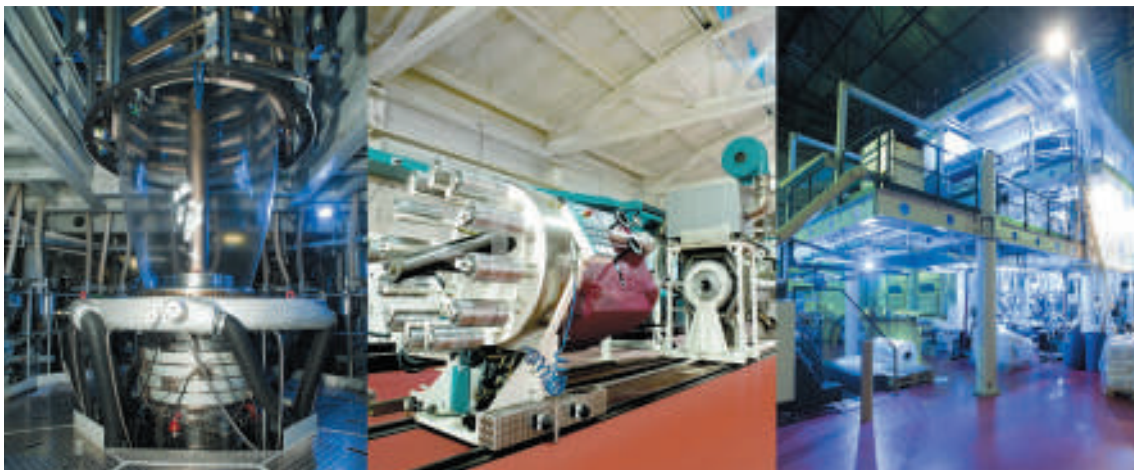
The range of products manufactured at single-layer extrusion lines:

- barrier Frankfurter casings;
- smoke permeable Frankfurter casings;
- single-layer smoke permeable sausages casings.



The range of products manufactured at multilayer extrusion lines:

- multilayer, barrier and smoke-permeable sausages casings;
- shrink bags with high barrier properties;
- film materials based on PE, PP, PA, EVOH.



Multilayer coextruded cast line of up to nine layers:

- for the production of multi-layer high-barrier films on the basis of PE, PA, EVOH of 60–300 microns thick, as well as CPP of 25–40 microns thick.



Flexographic printing equipment provides for:

- flexoprint of 6+6 color range on Frankfurter sausage and sausage casings;
- large-format printing on film materials with the possibility of applying up to 8 colors.



UV printing equipment:

- provides for UV paint of 6+6 color range on sausage casings.



Laminator:

- provides for quality solventless lamination of film materials.



Reel-slitting machine:

- allows cutting a film of a specific width.



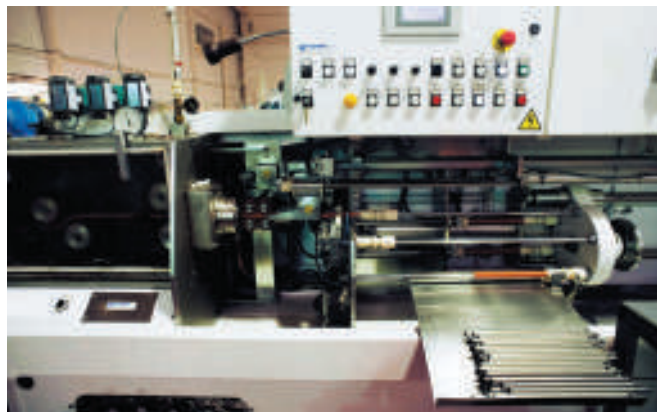
Bag making machine designed for manufacture of:

- shrink bags with bottom seam (straight and semicircular) with the possibility of its applying on packing tape for automatic lines;
- three-seam bags for packing products in vacuum and methylhexane. These bags can be produced with Euroslot and a notch for easy opening;
- wicket bags for packing bakery and confectionary products, chicken carcasses.



Shirring machine:

- designed for the production of sausage and Frankfurter shirred casings, thereby reducing the share of manual labor in manufacture.





POLYAMIDE BARRIER CASING “LEXALON”

NEW

Lexalon, Lexalon TC, Lexalon C, Lexalon P — multilayer barrier polyamide casings. They are designed for all types of cooked sausages, sausages with fillers, pate, ham, processed cheese, sour-milk products, and so on.

Lexalon — the properties of the casing are optimal for its wide application at meat-packing plants. The casing has a high precision of filler caliber while preserving the classical form of a sausage link.

Lexalon TC — a distinctive feature of the casing is better peeling, spiral peeling of sausage casing during cutting, when pierced, the sausage is more resistant to the formation of the so-called “arrow”.

Lexalon C — a distinctive feature of the casing is significantly longer shelf life of a finished product due to added **EVOH** barrier layer.

Lexalon P — easy peel casing, intended for minced meat with a high percentage of meat replacement.

Features and benefits:

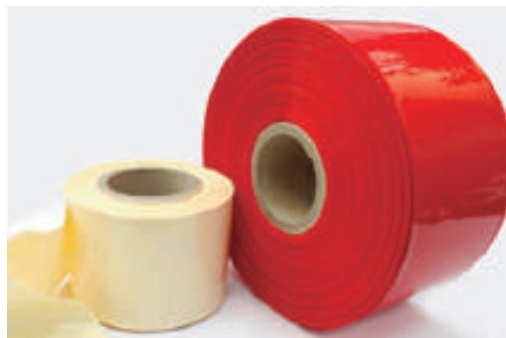
- high mechanical strength;
- steam, gas and water resistance;
- significantly longer shelf life of the finished product (up to 75 days depending on the type of a product and without using secondary packing);
- microbiological resistance (the casing is inert to the impact of bacteria and mold fungi);
- no losses during product heat treatment and storing;
- high stuffing capacity;
- wide range of casing colors;
- thermal stability;
- thermal shrinking;
- glossy and matte casing options.

Caliber. The casing caliber is selected by the customer: from 35 mm to 120 mm.

Casing colors. The casing colors are selected from the catalog, and may be tailor-made.

Marking services:

- design development;
 - adaptation to printing layouts;
 - engraving production;
 - one-side or two-side flexoprint (number of print colors: from 1 to 6 at each side);
 - one-side or two-side UV print (number of print colors: from 1 to 6 at each side).
- Its application enables manufacturers of sausages to make a bright presentation of their products and make them distinguishable on the store shelves.



Packing. The casing is supplied in rolls or in a shirred form. The length of the casing in a shirred briquette ranges from 25 to 40 meters.

POLYAMIDE BARRIER CASING “LEXALON V”

Lexalon V is a multilayer barrier polyamide casing for pressed ham. It is designed for meat products manufactured in molders.

Features and benefits:

- high mechanical strength;
- steam, gas and water resistance;
- significantly longer shelf life of the finished product (up to 75 days depending on the type of product and without using secondary packing);
- high elasticity, due to which the desired shape can be given to a product;
- microbiological resistance (the casing is inert to the impact of bacteria and mold fungi);
- no losses during product heat treatment and storing;
- wide range of casing colors;
- glossy and matte casing options.

Caliber. The casing caliber is selected by the customer: from 40 mm to 120 mm.

Casing colors. The casing colors are selected from the catalog, and may be tailor-made.

Marking services:

- design development;
- adaptation to printing layouts;
- engraving production;
- one-side or two-side flexoprint (number of print colors: from 1 to 6 at each side);
- one-side or two-side UV print (number of print colors: from 1 to 6 at each side).

Its application enables manufacturers of sausages to make a bright presentation of their products and make them distinguishable on the store shelves.

Packing. The casing is supplied in rolls or in a shirred form. The length of the casing in a shirred briquette ranges from 25 to 40 meters.





POLYAMIDE BARRIER CASING “LEXALON R” AND “LEXALON K”

Lexalon R is a multilayer barrier polyamide casing. It is designed for the production of sausage products in the net and giving an individual form to a sausage link.

Lexalon K is a multilayer barrier polyamide casing. It is designed for the production of sausage products in the form of a bung.

Features and benefits:

- high mechanical strength;
- steam, gas and water resistance;
- significantly longer shelf life of the finished product (up to 75 days depending on the type of product and without using secondary packing);
- high elasticity, due to which the desired shape can be given to a product;
- microbiological resistance (the casing is inert to the impact of bacteria and mold fungi);
- no losses during product heat treatment and storing;
- wide range of casing colors;
- glossy and matte casing options.

Caliber. The casing caliber is selected by the customer: from 40 mm to 80 mm.

Casing colors. The casing colors are selected from the catalog, and may be tailor-made.

Marking services:

- design development;
- adaptation to printing layouts;
- engraving production;
- one-side or two-side flexoprint (number of print colors: from 1 to 6 at each side);
- one-side or two-side UV print (number of print colors: from 1 to 6 at each side).

Its application enables manufacturers of sausages to make a bright presentation of their products and make them distinguishable on the store shelves.



Packing. The casing is supplied in rolls or in a shirred form. The length of the casing in a shirred briquette ranges from 25 to 40 meters.



POLYAMIDE PERMEABLE CASING “SLAVA-LUX L”

SLAVA-LUX L is a smoke-permeable multilayer polyamide casing.

It is designed for the production of all types of cooked, semi-smoked and smoked-cooked sausages produced under technology including smoking (smoke cooking).

The casing has a matte surface and high elasticity, with long shelf life of finished products and low permeability.

Features and benefits:

- minimum weight loss during thermal treatment and storage;
- attractive commodity appearance;
- smoke permeability;
- caliber uniformity;
- high mechanical strength and elasticity;
- low permeability for oxygen and water steam;
- microbiological resistance (the casing is inert to the impact of bacteria and mold fungi);
- prolonged shelf life of finished products (up to 60 days depending on the type of product and without using secondary packing).

Caliber. SLAVA-LUX L casing caliber is selected by the customer: from 35 mm to 80 mm.

Casing colors. The casing colors are selected from the catalog, and may be tailor-made.

Marking services:

- design development;
- adaptation to printing layouts;
- engraving production;
- one-side or two-side flexoprint (number of print colors: from 1 to 6 at each side).

Packing. SLAVA-LUX L casing is supplied in rolls or in a shirred form. The length of the casing in a shirred briquette ranges from 25 to 40 meters.





THE PACKING CHANGES COLORS...



POLYAMIDE PERMEABLE CASING “SLAVA-LUX R”

Slava-Lux R is a smoke-permeable multilayer polyamide casing.

It is designed for the production of all types of cooked, semi-smoked and smoked-cooked sausages molded in a net with long shelf life of finished products and low permeability.

Features and benefits:

- minimum weight loss during thermal treatment and storage;
- smoke permeability;
- caliber uniformity;
- high mechanical strength and elasticity (up to 30%);
- low permeability for oxygen and water steam;
- microbiological resistance (the casing is inert to the impact of bacteria and mold fungi);
- prolonged shelf life of finished products (up to 60 days depending on the type of a product and without using secondary packing).

Caliber. SLAVA-LUX R casing caliber is selected by the customer: from 40 mm to 80 mm.

Casing colors. The casing colors are selected from the catalog, and may be tailor-made.

Marking services:

- design development;
- adaptation to printing layouts;
- engraving production;
- one-side or two-side flexoprint (number of print colors: from 1 to 6 at each side).

Packing. SLAVA-LUX R casing is supplied in rolls or in a shirred form. The length of the casing in a shirred briquette ranges from 25 to 40 meters.





POLYAMIDE PERMEABLE CASING “SLAVA-LUX P”

SLAVA LUX P is a smoke-permeable single-layer polyamide casing.

It is designed for the production of all types of semi-smoked, smoked-cooked and cooked sausages and hams produced under technology, including smoking (smoke cooking).

The casing has express matte surface.

Features and benefits:

- minimum weight loss during thermal treatment and storage;
- smoke permeability;
- caliber uniformity;
- high mechanical strength and elasticity;
- low permeability for oxygen and water steam;
- microbiological resistance (the casing is inert to the impact of bacteria and mold fungi);
- prolonged shelf life of finished products (30 days for cooked sausages and 45 days for semi-smoked and smoked-cooked sausages).

Caliber. SLAVA-LUX P casing caliber is selected by the customer: from 35 mm to 65 mm.

Casing colors. The casing colors are selected from the catalog, and may be tailor-made.

Marking services:

- design development;
- adaptation to printing layouts;
- engraving production;
- one-side or two-side flexoprint (number of print colors: from 1 to 6 at each side).

Packing. SLAVA-LUX P casing is supplied in rolls or in a shirred form. The length of the casing in a shirred briquette ranges from 25 to 40 meters.





THE PACKING CHANGES COLORS...



POLYAMIDE PERMEABLE CASING “SLAVA-LUX Z”

SLAVA LUX Z is a smoke-permeable multilayer polyamide casing.

It is designed for the production of all types of semi-smoked, smoked-cooked and cooked sausages and hams produced under technology, including smoking (smoke cooking).

The casing has high permeability and allows to increase the shelf life of finished products.

Features and benefits:

- minimum weight loss during thermal treatment and storage;
- high smoke permeability;
- caliber uniformity;
- high mechanical strength and elasticity;
- low permeability for oxygen and water steam;
- microbiological resistance (the casing is inert to the impact of bacteria and mold fungi);
- prolonged shelf life of finished products (up to 60 days depending on the type of product).

Caliber. SLAVA-LUX Z casing caliber is selected by the customer: from 35 mm to 80 mm.

Casing colors. The casing colors are selected from the catalog, and may be tailor-made.

Marking services:

- design development;
- adaptation to printing layouts;
- engraving production;
- one-side or two-side flexo print (number of print colors: from 1 to 6 at each side).

Packing. SLAVA-LUX Z casing is supplied in rolls or in a shirred form. The length of the casing in a shirred stick ranges from 25 to 40 meters.





POLYAMIDE PERMEABLE CASING “SLAVA-LUX M PRESTIGE”

SLAVA-LUX M PRESTIGE is a smoke-permeable single-layer polyamide casing. It is designed for manufacture of cooked sausages, its properties are similar to those of cellophane casings and allow increasing the shelf life of a finished product up to 30 days.

Features and benefits:

- minimum weight loss during thermal treatment and storage;
- high smoke permeability;
- caliber uniformity;
- high mechanical strength and elasticity;
- low permeability for oxygen and water steam;
- microbiological resistance (the casing is inert to the impact of bacteria and mold fungi);
- low adhesion;
- prolonged shelf life of finished products (up to 30 days depending on the type of a product and without using secondary packing).

Caliber. SLAVA-LUX M PRESTIGE casing caliber is selected by the customer: from 40 mm to 90 mm.

Casing colors. The casing colors are selected from the catalog, and may be tailor-made.

Marking services:

- design development;
- adaptation to printing layouts;
- engraving production;
- one-side or two-side flexoprint (number of print colors: from 1 to 6 at each side).

Packing. SLAVA-LUX M PRESTIGE casing is supplied in rolls or in a shirred form. The length of the casing in a shirred briquette ranges from 25 to 40 meters.





POLYAMIDE PERMEABLE CASING “SLAVA-LUX KC”

SLAVA LUX KC is a smoke-permeable single-layer polyamide casing. It is designed for various kinds of sausage processed cheese, produced under technology including smoking. The casing can be used for the production of semi-smoked and cooked-smoked sausages.

SLAVA-LUX KC is a casing with high permeability, which allows achieving a pronounced smoking effect.

Features and benefits:

- minimum weight loss during heat treatment and storage;
- attractive appearance of the finished product casing surface
- high smoke permeability;
- caliber uniformity;
- high mechanical strength and elasticity;
- low permeability for oxygen and water steam;
- thermo shrinking;
- high thermal stability;
- microbiological resistance (the casing is inert to the impact of bacteria and mold fungi);
- prolonged shelf life of finished products (up to 30 days depending on the type of a product and without using secondary packing);

Caliber. SLAVA-LUX KC casing caliber is selected by the customer: from 35 mm to 90 mm.

Casing colors. The casing colors are selected from the catalog, and may be tailor-made.

Marking services:

- design development;
- adaptation to printing layouts;
- engraving production;
- one-side or two-side flexoprint
(number of print colors:
from 1 to 6 at each side).



Packing. SLAVA-LUX KC casing is supplied in rolls or in a shirred form. The length of the casing in a shirred stick ranges from 25 to 40 meters.





POLYAMIDE PERMEABLE CASING “FIBROLUX”

Fibrolux is a smoke-permeable single-layer polyamide casing.

It is designed for the production of all types of semi-smoked, smoked-scalded and cooked sausages produced under technology including smoking (smoke cooking).

The casing has unique rough surface.

Features and benefits:

- unique rough surface;
- high smoke permeability;
- minimum weight loss during thermal treatment and storage;
- attractive commodity appearance of the finished product casing surface;
- high mechanical strength;
- high elasticity;
- microbiological resistance (the casing is inert to the impact of bacteria and mold fungi);
- prolonged shelf life of finished products (30 days for cooked sausages, 45 days for semi-smoked, smoked-scalded sausages).

Caliber. FIBROLUX casing caliber is selected by the customer: from 35 mm to 65 mm.

Casing colors. The casing colors are selected from the catalog, and may be tailor-made.

Marking services:

- design development;
- adaptation to printing layouts;
- engraving production;
- one-side or two-side flexoprint (number of print colors: from 1 to 6 at each side).

Packing. FIBROLUX casing is supplied in rolls or in a shirred form. The length of the casing in a shirred briquette ranges from 25 to 40 meters.





POLYAMIDE FRANKFURTER CASING “CARALON”

“Caralon” is a single-layer non-permeable polyamide Frankfurter casing of enhanced strength and elasticity.

It is meant for the production of Frankfurter thick short sausages and small sausages.

Features and benefits:

- minimum weight loss during thermal treatment and storage;
- prolonged shelf life of finished products (up to 15 days depending on the type of a product and without using secondary packing);
- attractive commodity appearance;
- steam and gas resistance;
- high mechanical strength and elasticity;
- microbiological resistance (the casing is inert to the impact of bacteria and mold fungi);
- caliber uniformity;
- high thermal stability.

Range of products. The casing is supplied in a shirred form.

| The designed caliber, mm | 17 | 18 | 19 | 22 | 24 | 26 | 32 | 34 |
|--|----|----|----|------|------|------|----|----|
| The length of the shirred briquette, m | 25 | 25 | 25 | 30,5 | 33,3 | 33,3 | 25 | 25 |

Types of casings:

Type A — closed end of the shirred stick. For equipment: Handtmann with AL-system and Linker VEMAG LPG;

Type AA — closed end of the shirred stick. For equipment: TOWNSEND and TBC-Mehanika Bumerang;

Type P — open end of the shirred stick. For work at syringes with twisting device and manual stuffing;

Type Y — knotted end.

Casing colors. The casing colors are selected from the catalog, and may be tailor-made.

Marking services:

- design development;
- adaptation to printing layouts;
- engraving production;
- one-side or two-side flexoprint (number of print colors: from 1 to 6 at each side).



Molding. CARALON casing is suitable for use on almost any automatic equipment and syringes-fillers with a twisting device, as well as manual tying.



POLYAMIDE FRANKFURTER CASING “LEXALON MINI”

LEXALON MINI is a multilayer non-permeable polyamide Frankfurter casing of enhanced strength and elasticity.

It is meant for the production of Frankfurter thick short sausages and small sausages.

Features and benefits:

- minimum weight loss during thermal treatment and storage;
- prolonged shelf life of finished products (up to 45 days depending on the type of a product and without using secondary packing);
- attractive commodity appearance;
- steam and gas resistance;
- high mechanical strength and elasticity;
- microbiological resistance (the casing is inert to the impact of bacteria and mold fungi);
- caliber uniformity;
- high thermal stability.

Range of products. The casing is supplied in a shirred sticks, length of the stick 25 metres. Calibers from 22 mm to 32 mm . Possibility to manufacture other calibers can be agreed additionally.

Types of casings:

Type A — closed end of the shirred stick. For equipment: Handtmann with AL-system and Linker VEMAG LPG;

Type AA — closed end of the shirred stick. For equipment: TOWNSEND and TBC-Mehanika Bumerang;

Type P — open end of the shirred stick. For work at syringes with twisting device and manual stuffing;

Type Y — knotted end.

Casing colors. The casing colors are selected from the catalog, and may be tailor-made.

Marking services:

- design development;
- adaptation to printing layouts;
- engraving production;
- one-side or two-side flexoprint (number of print colors: from 1 to 6 at each side).

Molding. CARALON casing is suitable for use on any automatic equipment and syringes-fillers with a twisting device, as well as manual tying.





POLYAMIDE FRANKFURTER CASING “SLAVA-LUX GP3”

SLAVA-LUX GP3 is a single-layer permeable polyamide Frankfurter casing.

It is designed for the production of Frankfurter casing, thick short sausages and mini sausages produced under technology, including smoking (smoke cooking). The casing can be used as an alternative to cellulose Frankfurter casings. It has enhanced smoke permeability and peeling capacity, it is designed for high-speed production lines.

Features and benefits:

- minimum loss during thermal treatment and storage;
- prolonged shelf life of finished products (up to 10 days depending on the type of a product and without using secondary packing);
- attractive commodity appearance;
- high mechanical strength and elasticity;
- caliber uniformity;
- high thermal stability;
- biological resistance;
- high smoke permeability.

Range of products. The casing is supplied in a shirred form.

| The designed caliber, mm | 18 | 19 | 22 | 24 | 26 | 32 | 34 |
|--|----|----|----|------|------|----|----|
| The length of the shirred briquette, m | 25 | 25 | 25 | 33,3 | 33,3 | 25 | 25 |

Types of casings:

Type A — closed end of the shirred stick. For equipment: handtmann with AL-system and Linker VEMAG LPG;

Type AA — closed end of the shirred stick. For equipment: TOWNSEND and TBC-Mehanika Bumerang;

Type P — open end of the shirred stick. For work at syringes with twisting device and manual stuffing;

Type Y — knotted end.

Casing colors. The casing colors are selected from the catalog, and may be tailor-made.

Marking services:

- design development;
- adaptation to printing layouts;
- engraving production;
- one-side or two-side flexoprint (number of print colors: from 1 to 6 at each side).

Molding. SLAVA-LUX GP3 casing is suitable for use on any automatic equipment and syringes-fillers with a twisting device, as well as manual tying.



UNIVERSAL FILMS FOR “SLAVAFLEX” FLEXIBLE PACKING

Lamination films

Structures:

- PE — frozen product;
- PE — bulk products;
- PE — fat containing food;
- PE — alcohol-based products;
- PA/PE — seafood, fish;
- PA/PE — household chemical goods;
- PE/PA/PE, PE/EVOH/PE, PE/PA/EVOH/PA/PE and the other combinations — long shelf life products;
- And other combinations of these materials.



Range of products: from 30 microns to 130 microns thick, up to 2200 mm wide.

FILMS FOR PACKING FOOD PRODUCTS ON FLOWPACK, DOYPACK, SACHET LINES

They are designed for packing sausages, fish, seafood, mayonnaise, sauces, condensed milk, dumplings, snack products, grocery and confectionary products, spices and so on.

Structures:

- PET//PE;
- BOPP//PE;
- PET//PET met//PE/EVOH/PE;
- BOPP//BOPP met;
- OPA//PE;
- PA/PE;
- PET//PE/EVOH/PE;
- PET//PE/PA/EVOH/PA/PE;
- BOPP//PETmet //PE/EVOH/PE;
- And other combinations of these materials.



Range: from 45 microns to 175 microns thick. Up to 2200 mm wide. The production of white film and application of surface and interlayer print up to 8 colors is possible.

FILMS FOR PACKING NON-FOOD PRODUCTS ON FLOWPACK, DOYPACK, SACHET LINES

Application: packing household chemicals, wet wipes, soils, fertilizers, etc.

Structures:

- PE//PE;
- PET//PE;
- BOPP//PE;
- PET//BOPPmet//PE;
- And other combinations of these materials.

Range: Range of products: from 45 microns to 150 microns thick. The production of white film and application of surface and interlayer print up to 8 colors is possible.



UPPER “SLAVAFLEX” COATING FILMS FOR THERMOFORMING EQUIPMENT AND TRAY SEALERS (SEALING FINISHED TRAYS)

Application: packing the following products in vacuum or modified gas atmosphere: cooled and frozen meat, meat products, cooled and frozen poultry, sausages and delicatessen products, cooled and frozen fish, cooled and frozen seafood, semi-finished products, cheeses and bakery products. The films can be used for all types of thermo forming machines: Multivac, Tiromat, Webomatic, Henkovac, Hajek, Tiropac, ULMA, GEA, etc.

SLAVAFLEX films structures, medium barrier:

- PET//CPP;
- PET//PE;
- PA/PE;
- OPA//PE;
- PET//OPA//PE.

SLAVAFLEX films structures, high barrier:

- PET//PE/EVOH/PE;
- PET//PE/PA/EVOH/PA/PE;
- PET//PE/EVOH/PP;
- PET//PA/PA/EVOH/PA/PE.

Range of products: from 45 microns to 175 microns thick.

Up to 1500 mm wide. Upon the request of the customer, possible is production of white film, printing on surface of the film or interlayer print up to 8 colors is possible as well.

The options include production of films with such additional properties as: easy peeling (PEEL effect), anti-fog effect (AF effect) and reclose effect.

Various formulations designed for adhesion with various materials (polyethylene PE, polypropylene PP, etc.) are available.



LOWER THERMO FORMING FILMS “SLAVAFORM” FOR THERMOFORMING EQUIPMENT

Application: packing the following products in vacuum or modified gas atmosphere: cooled and frozen meat, meat products, cooled and frozen poultry, sausages and delicatessen products, cooled and frozen fish, cooled and frozen seafood, semi-finished products, cheeses and bakery products. The films can be used for all types of thermo forming machines: Multivac, Tiromat, Webomatic, Henkovic, Hajek, Tiropac, ULMA, GEA, etc.

SLAVAFORM films structures, medium barrier:

- PA/PE.

SLAVAFORM films structures, high barrier:

- PA/PA/EVOH/PA/PE/PE.

Range of products: from 100 microns to 300 microns thick. Up to 2200 mm wide. Upon the request of the customer, the production of white film and application of surface and interlayer print up to 8 colors is possible.

The options include production of films with such additional properties as easy peeling (PEEL effect).



VACUUM SHRINK BAGS “SLAVA TV”

They are designed for vacuum packing of sausages and meat delicatessen, both as portioned pieces and in sliced form, portioned pieces of meat, poultry and their semi-finished products, fish products and semi-finished products, portioned corrugation of cheese and cheese without ripening.

Range of products: bags with bottom weld seam (straight and semicircular) are available.

Flat width: from 80 mm to 600 mm, length: 900 mm.

Thickness: SLAVA TV — 40, 45, 70, 75, 90 microns. Manufacturing on the feed belt is possible.

Benefits:

- enhanced mechanical strength;
- puncture resistance (the thickness of the bag is 70, 75, 90 microns allows packing products with bones);
- high shrink properties of up to 35%;
- no chlorinated substances;
- high barrier properties (achieved by means of EVOH barrier layer, allows maximizing shelf life of the product);
- transparency;
- universal application.

Any vacuum packing equipment can be used for packing the products in Slava TV bags.



VACUUM BAGS “SLAVA MB”

Slava MB — Vacuum bags.

They are designed for vacuum packing of perishable foods (meat and sausages, fish, seafood, poultry, cheese) and their semi-finished products, fish products and semi-finished products for significantly prolongation of shelf life and preservation of the attractive appearance of food products.

Structure of SLAVA MB Bags PET//PE.

They are designed for vacuum products packing, as well as products that will be exposed to freezing (for example, will be used for dumplings). It is possible to produce bags with various thickness of PET 12 and 23 microns, for improving the physic-mechanical properties and puncture resistance.

Structure of SLAVA MB Bags PA/PE

The main designation is fish and meat industry, as the bags have increased puncture resistance. Bags with PA/PE cast and OPA/PE structures have the increased resistance to puncture, impact and tear and may be used for large packaging of meat, poultry and fish.



Range of products: Three-seam bags are manufactured. Thickness: from 45 microns to 120 microns. Width: from 80 mm to 800 mm, length: 800 mm, width of seams: from 4 mm to 8 mm. These bags can be produced with Euroslot and a notch for easy opening; the number of colors is 8+8.

Benefits:

- enhanced mechanical strength and puncture resistance — SLAVA MB bags (PA/PE) can be used for packing of meat products with bones, high puncture resistance bags with structure OPA/PE are for packaging of the fish;
- universal application (packing in vacuum and production of the bags for pasteurized products);
- transparency.



“SLAVA HB”

(BAGS FOR PACKING PRODUCTS IN MGA)

Slava HB — high barrier vacuum bags.

They are designed for packing perishable foods (meat and sausage products, fish, seafood, poultry, cheese, and so on) both in modified gas atmosphere and in vacuum to significantly increase the shelf life and preserve attractive appearance of foods.

High barrier properties of the bags are achieved due to the presence of EVOH layer (copolymer of ethylene-vinyl spirit).

Structure of the bags:

- PET//PE/EVOH/PE;
- PET//PE/PA/EVOH/PA/PE;
- PA/PA/EVOH/PA/PE.

Range of products: Three-seam bags are manufactured. Width: from 80 mm 800 mms.

Length: up to 800 mm, length: 800 mm, thickness: from 45 to 120 microns. Tailor-made size manufacture is possible as well as flexographic print; the number of colors is 8+8.

Benefits:

- enhanced mechanical strength and puncture resistance;
- universal application (packing both in gaseous atmosphere and vacuum);
- high transparency.



WICKET BAGS “SLAVA H”

SLAVA H — packing bags.

They are designed for packing food (bread, groceries, poultry) and non-food (hygienic) products at high-speed automatic packing lines.

Composition of SLAVA H wicket bags:

- PE — polyethylene coextruded film;
- CPP — cast-coextruded polypropylene film;
- additional two new types of the wicket bags for poultry:
 - with increased 1,5-2 times relative to standard bags strength, thickness 25-60 microns;
 - with improved elasticity for packing of frozen products with the wrapping effect .

Range of products: Wicket bags with flat and rounded bottom are available. The width ranges from 110 mm to 390 mm, the height is between 150 mm and 710 mm for a bag with a flat bottom, and between 150 mm and 610 mm for a bag with a rounded bottom. Film thickness ranges from 25 microns to 60 microns.

Tailor-made size manufacture of wicket bags is possible as well as flexographic print; the number of colors is 8+8.

The options include perforation in the flap area, various notches for easy tearing of the bag from the tear clips, holes for air removal.

Features and benefits:

- enhanced strength;
- perfect integrity of food products;
- high transparency, gloss;
- possibility of manual and automatic packing;
- choice of sizes, shapes and tailor-made options of wicket bags.





SERVICES

SHIRRING OF CASINGS

The casings are supplied in two forms: in rolls and in a shirred form. Casing shirring is made upon the request of the client. The application of a shirred casing can significantly increase the productivity and reduce the share of manual labor in production.



MARKING

SLAVA SPA provides its clients with marking services for the entire range of packing materials: Frankfurter casings and sausage casings, film materials, vacuum and shrink bags. The packaging materials are marked by means of a flexographic printer.

SLAVA SPA uses several types of printers, as well as several types of inks certified for printing on food packing.

Depending on the selected color, we distinguish two types of markings applied on Frankfurter casings and sausage casings:

- flexographic printing (marking with alcohol-based inks);
- UV flexographic printing (marking with UV Curing inks).

The film materials are marked with alcohol-based inks with a coverage of up to 1200 mm. We conventionally call printing on this equipment a “large-format printing”. In its turn the large-format printing consists of interlayer (between the layers of the covered film), and direct printing (on the outer surface of the film). The information presented above is supplied for reference. While making an order for marking at Slava SPA you will be recommended the most appropriate method of applying a colorful information on your package.





ALCOHOL FLEXOGRAPHY (ALCOHOL INKS MARKING)

It is used for Frankfurter sausage and knockwurst casings. The printing is performed with alcohol inks. Color range: from 1+0 to 6+6.

UV (ULTRA-VIOLET INKS MARKING)

Printing on sausage casings is made with UV curing inks, the printing chromaticity ranges from 1+0 to 6+6. The “edge coverage” service is available. UV ink printing technology outruns the traditional printing with two-component inks in all parameters.

UV printing provides for professionally decorated packing, comparable with offset printing in terms of image quality.

LARGE-FORMAT FLEXOGRAPHIC PRINTING

Surface (direct) printing is effectuated on film and tubing with alcohol-based inks, the printing chromaticity ranges from 1 to 8 colors. The interlayer printing is made on film materials with alcohol-based inks and is followed by lamination, the printing chromaticity ranges from 1 to 8 colors.



Structure:

PET (polyethylene terephthalate oriented film)
BOPP (biaxially oriented polypropylene film)

co-extrusion film, depending on the application field
(PE, PE / EVOH / PE, PE / PA / EVOH / PA / PE, etc.)

Printing is applied on PET and BOPP layers and then laminated with coextruded film.

The lamination process is used during production of films with or without printing, since laminated film has greater strength for the provision of welding at packaging machines with impulse or continuous heating.





SEAMLESS PRINTING WITH SLEEVE CYLINDERS

A separate rubberized sleeve cylinder is used for each ink.

The image is burned by the laser beam over the entire circumference of the cylinder, excluding technological joint, which is inevitable during traditional flexographic printing.



Traditional flexo form



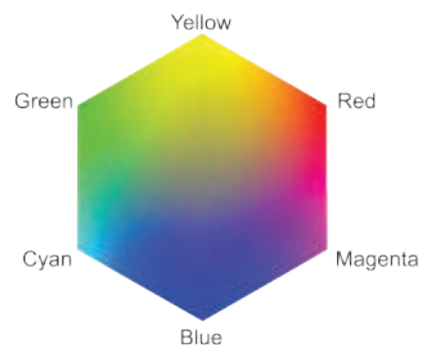
Seamless sleeve cylinder

SLAVACOLOR: POLYCHROMATIC COLOR SELECTION CMYK+RGB

This technology can significantly increase the color coverage of printing and optical density by adding of just three additional colors (Red, Green, Blue) to the standard triade inks (Cyan, Magenta, Yellow, Black).

Benefits of SLAVACOLOR technology:

- better quality of marking;
- ability to compete with gravure printing;
- protection of packing from counterfeiting.





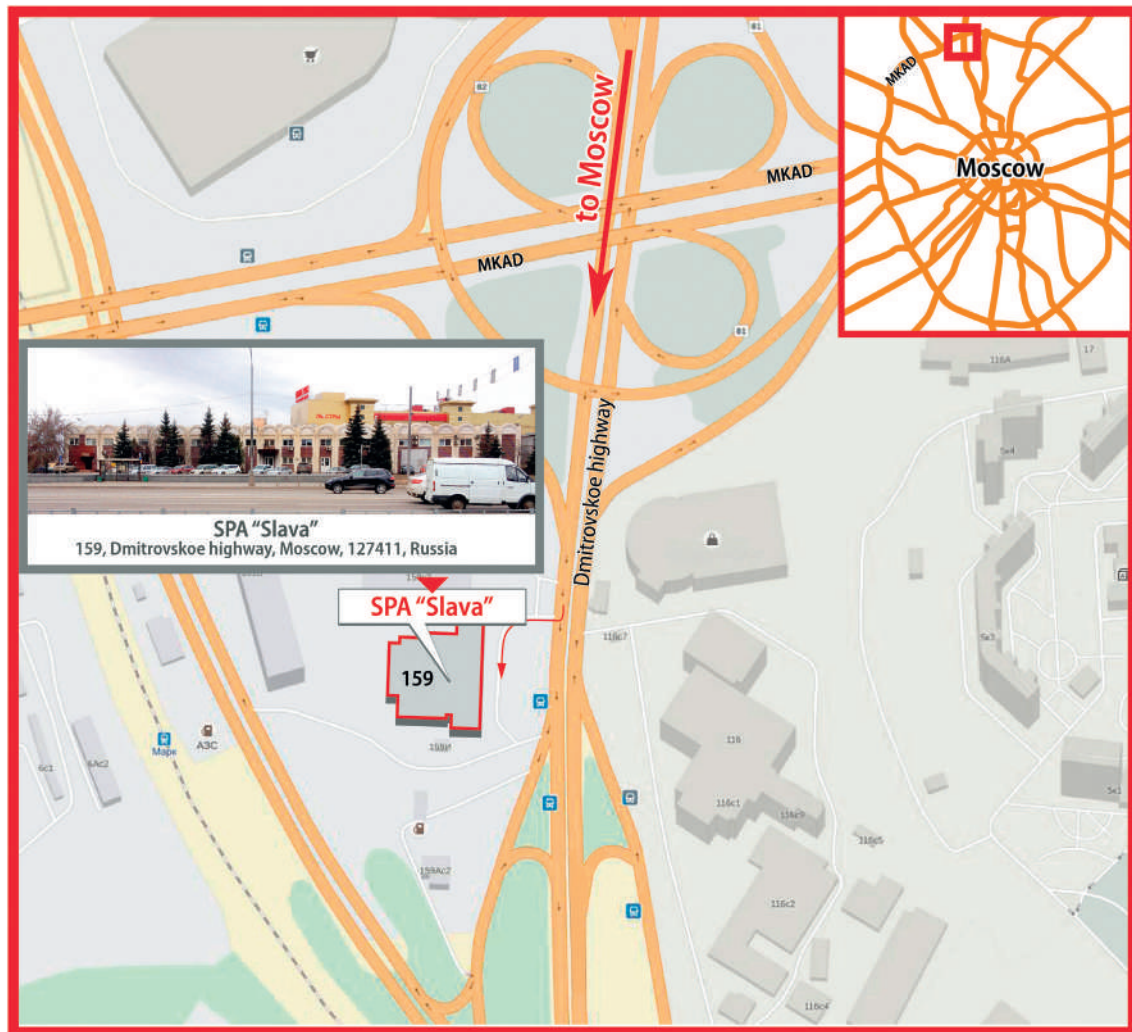
TECHNOLOGICAL SUPPORT

The highest value of SLAVA SPA is provision of the highest level of services that meet the needs of the customer.

Created in 2004, the technology team helps to choose the optimal packing product for each request taking into account the constantly evolving flexible packaging market, the customer needs and the latest trends and developments of packaging materials. The team of technologists responds to all requests of the customers providing technological assistance for the optimal selection of modes and adjustment of the equipment used by the company to work with SLAVA SPA packing products.




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